

# ViewSonic®

**VA702mb  
LCD Display**

- User Guide
- Guía del usuario
- Guia do usuário



**ViewSonic®**

**Model No. : VS11478**

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# Compliance Information

## For U.S.A.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FCC Warning

To assure continued FCC compliance, the user must use grounded power supply cord and the cables which are included with the equipment or specified. Also, any unauthorized changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

## For Canada

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

# Important Safety Instructions

1. Read these instructions completely before using the equipment.
2. Keep these instructions in a safe place.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this equipment near water. Warning: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. Clean with a soft, dry cloth. If further cleaning is required, see “Cleaning the Display” in this guide for further instructions.
7. Do not block any ventilation openings. Install the equipment in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.
9. Do not attempt to circumvent the safety provisions of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the plug does not fit into your outlet, consult an electrician for replacement of the outlet.
10. Protect the power cord from being tread upon or pinched, particularly at the plug, and the point where it emerges from the equipment. Be sure that the power outlet is located near the equipment so that it is easily accessible.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid injury from tipping over.
13. Unplug this equipment when it will be unused for long periods of time.
14. Refer all servicing to qualified service personnel. Service is required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.



## Copyright Information

Copyright © ViewSonic® Corporation, 2006. All rights reserved.

Macintosh and Power Macintosh are registered trademarks of Apple Computer, Inc.

Microsoft, Windows, Windows NT, and the Windows logo are registered trademarks of Microsoft Corporation in the United States and other countries.

ViewSonic, the three birds logo, OnView, ViewMatch, and ViewMeter are registered trademarks of ViewSonic Corporation.

VESA is a registered trademark of the Video Electronics Standards Association. DPMS and DDC are trademarks of VESA.

ENERGY STAR® is a registered trademark of the U.S. Environmental Protection Agency (EPA). As an ENERGY STAR® partner, ViewSonic Corporation has determined that this product meets the ENERGY STAR® guidelines for energy efficiency.

Disclaimer: ViewSonic Corporation shall not be liable for technical or editorial errors or omissions contained herein; nor for incidental or consequential damages resulting from furnishing this material, or the performance or use of this product.

In the interest of continuing product improvement, ViewSonic Corporation reserves the right to change product specifications without notice. Information in this document may change without notice.

No part of this document may be copied, reproduced, or transmitted by any means, for any purpose without prior written permission from ViewSonic Corporation.

## Product Registration

To meet your future needs, and to receive any additional product information as it becomes available, please register your product on the Internet at: **[www.viewsonic.com](http://www.viewsonic.com)**. The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form, which you may mail or fax to ViewSonic.

### For Your Records

Product Name:	VA702mb ViewSonic 17" LCD Display
Model Number:	VS11478
Document Number:	VA702mb-1_UG_ENG Rev. 1A 06-28-06
Serial Number:	_____
Purchase Date:	_____

### Product disposal at end of product life

The lamp in this product contains mercury. Please dispose of in accordance with local, state or federal laws.

ViewSonic is concerned about the preservation of our environment. Please dispose of this product properly at the end of its useful life. For TCO'03 recycling information, please refer to our website:

1. USA: [www.viewsonic.com/pdf/RecyclePlus.pdf](http://www.viewsonic.com/pdf/RecyclePlus.pdf)
2. Europe: [www.viewsoniceurope.com](http://www.viewsoniceurope.com)
3. Taiwan: [recycle.epa.gov.tw](http://recycle.epa.gov.tw)

# Getting Started

Congratulations on your purchase of a ViewSonic® LCD display.

**Important!** Save the original box and all packing material for future shipping needs.

**NOTE:** The word “Windows” in this user guide refers to the following Microsoft operating systems: Windows ‘95, Windows NT, Windows ‘98, Windows 2000, Windows Me (Millennium), and Windows XP.

## Package Contents

Your LCD display package includes:

- LCD display
- Power cord
- Audio cable (stereo mini jack)
- Video cable
- Quick Start Guide
- ViewSonic CD Wizard

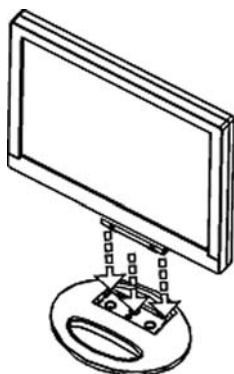
**NOTE:** The CD includes the User Guide PDF files and INF/ICM display optimization files. The INF file ensures compatibility with Windows operating systems, and the ICM file (Image Color Matching) ensures accurate on-screen colors. ViewSonic recommends that you install both the INF and ICM files.

## Precautions

- 
- |   |  |
|---|--|
| <ul style="list-style-type: none"><li>• Sit at least 18” from the LCD display.</li><li>• <b>Avoid touching the screen.</b> Skin oils are difficult to remove.</li><li>• <b>Never remove the rear cover.</b> This LCD display contains high-voltage parts. You may be seriously injured if you touch them.</li><li>• Avoid exposing the LCD display to direct sunlight or another heat source. Orient the LCD display away from direct sunlight to reduce glare.</li><li>• Always handle the LCD display with care when moving it.</li></ul> | <ul style="list-style-type: none"><li>• Place the LCD display in a well ventilated area. Do not place anything on the LCD display that prevents heat dissipation.</li><li>• Ensure the area around the LCD display is clean and free of moisture.</li><li>• Do not place heavy objects on the LCD display, video cable, or power cord.</li><li>• If smoke, an abnormal noise, or a strange odor is present, immediately switch the LCD display off and call your dealer or ViewSonic. It is dangerous to continue using the LCD display.</li><li>• Do not rub or apply pressure to the LCD panel, as it may permanently damage the screen.</li></ul> |
|---|--|
-

# Quick Installation

## 1. Installing the base



## 2. Connect video cable

- Make sure both the LCD display and computer are turned OFF
- Remove rear panel covers if necessary
- Connect the video cable from the LCD display to the computer

*Macintosh users:* Models older than G3 require a Macintosh adapter. Attach the adapter to the computer and plug the video cable into the adapter.

To order a ViewSonic® Macintosh adapter, contact ViewSonic Customer Support.

## 3. Turn ON LCD display and computer

Turn ON the LCD display, then turn ON the computer. This sequence (LCD display before computer) is important.

**NOTE:** Windows users may receive a message asking them to install the INF file. This is on the CD.

## 4. Insert the ViewSonic Wizard CD into the computer's CD drive.

Follow the on-screen instructions. If your computer does not have a CD-ROM drive, see "Customer Support" on page 13.

- Wait for the CD-ROM to auto-start.

**NOTE:** If the CD-ROM does not auto-start: double-click on the CD-ROM icon in

the Windows Explorer, then double-click on **viewsonic.exe**.

- Follow the on-screen instructions.

## 5. Windows users: Set the timing mode (resolution and refresh rate)

*Example:* 1024 x 768 @ 60 Hz.

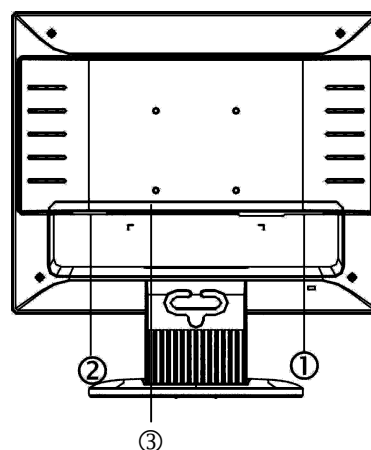
For instructions on changing the resolution and refresh rate, see the graphics card's user guide.

**Installation is complete. Enjoy your new ViewSonic LCD display.**

To be best prepared for any future customer service needs: print this user guide and write the serial number in "For Your Records" on page 3. (See back of LCD display.)

You can register your product online at the ViewSonic website for your region. See the Customer Support table in this guide.

The ViewSonic Wizard CD-ROM also provides an opportunity for you to print the registration form which you may mail or fax to ViewSonic.



Connecting Cables

1.	D-Sub Cable
2.	AC Power Cord
3.	Audio Cable

# Using the LCD Display

## Setting the Timing Mode

Setting the timing mode is important for maximizing the quality of the screen image and minimizing eye strain. The **timing mode** consists of the **resolution** (example 1024 x 768) and **refresh rate** (or vertical frequency; example 60 Hz). After setting the timing mode, use the OSD (On-screen Display) controls to adjust the screen image.

For the best picture quality set your LCD display timing mode to:

**VESA 1024 x 768 @ 60Hz.**

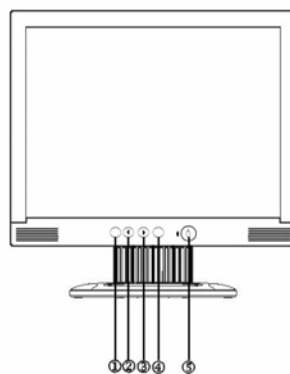
To set the Timing Mode:

1. **Set the resolution:** Right-click on the Windows desktop > Properties > Settings > set the resolution.
2. **Set the refresh rate:** See your graphic card's user guide for instructions.

**WARNING:** Do not set the graphics card in your computer to exceed the maximum refresh rate of 85Hz; doing so may result in permanent damage to your LCD display.

## Adjusting the Screen Image

Use the buttons on the front control panel to display and adjust the OSD controls which display on the screen. The OSD controls are explained at the top of the next page and are defined in “Main Menu Controls” on page 9.



External Control Button

### EXTERNAL CONTROLS

1.	Auto Config / Exit	4.	MENU / ENTER
2.	Volume -	5.	Power Button/ Power Indicator
3.	Volume +		



# FRONT PANEL CONTROL

- **Power Button /Power Indicator:**

Press this button to switch ON/OFF of monitor's power.

Blue—Power On mode.

Orange—Off mode.

- **MENU / ENTER:**

Active OSD menu or function adjust confirm or Exit OSD menu when in volume OSD status.

- **Volume:**

Increase volume or adjust function.

- **Volume:**

Decrease volume or adjust function.

- **Auto Adjust button / Exit:**

1. When OSD menu is in active status, this button will act as EXIT-KEY (EXIT OSD menu).
2. When OSD menu is in off status, press this button to activate the Auto Adjustment function.
3. The Auto Adjustment function is used to optimized the HPos, VPos, Clock and Focus.

- **OSD Lock Function:**

To lock the OSD, press and hold the MENU button while the monitor is off and then press power button to turn the monitor on. To un-lock the OSD - press and hold the MENU button while the monitor is off and then press power button to turn the monitor on.

## NOTES

- Do not install the monitor in a location near heat sources such as radiators or air ducts, or in a place subject to direct sunlight, or excessive dust or mechanical vibration or shock.
- Save the original shipping box and packing materials, as they will come in handy if you ever have to ship your monitor.
- For maximum protection, repackage your monitor as it was originally packed at the factory.
- To maintain the cleanness of your LCD display, wipe it periodically with clean and soft cloth. The screen may be damaged by any liquid splash.
- To keep the monitor looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents such as thinner, benzene, or abrasive cleaners, since these will damage the cabinet. As a safety precaution, always unplug the monitor before cleaning it.

# HOW TO ADJUST A SETTING

1. Press the MENU-button to activate the OSD window (Figure 5).
2. Press ◀ or ▶ to navigate through the functions. Once the desired function is highlighted, press the MENU-button to activate it. If the function selected has a sub-menu, press ◀ or ▶ again to navigate through the sub-menu functions. Once the desired function is highlighted, press MENU-button to activate it.
3. Press ◀ or ▶ to change the settings of the selected function.
4. To exit and save, select the exit function. If you want to adjust any other function, repeat steps 2-3.

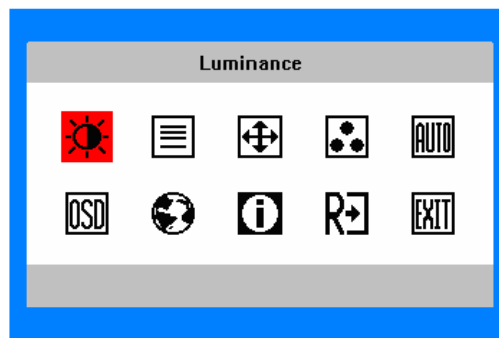





















Figure 5 The OSD Message

# Main Menu Controls

The descriptions for function control LEDS.

Main Menu Item	Main Menu Icon	Sub Menu Item	Sub Menu Icon	Description
Luminance		Contrast		Contrast from Digital-register.
		Brightness		Backlight Adjustment
Image Setup		Focus		Adjust Picture Phase to reduce Horizontal-Line noise
		Clock		Adjust picture Clock to reduce Vertical-Line noise.
Image Position		H. Position		Adjust the horizontal position of the picture.
		V. Position		Adjust the verticalposition of the picture.
Color Temp.		Warm	N/A	Recall Warm Color Temperature from EEPROM.
		Cool	N/A	Recall Cool Color Temperature from EEPROM.
		User / Red	<b>R</b>	Red Gain from Digital-register.
		User / Green	<b>G</b>	Green Gain Digital-register.
		User / Blue	<b>B</b>	Blue Gain from Digital-register.
Auto Config		Yes	N/A	Auto Adjust the H/V Position, Focus and Clock of picture.
		No	N/A	Do not execute Auto Config, return to main menu.
OSD Setup		H. Position		Adjust the horizontal position of the OSD.
		V. Position		Adjust the verticalposition of the OSD.
		OSD Timeout		Adjust the OSD timeout.
Language		Language	N/A	Set OSD language
Information		Information	N/A	Show the resolution, H/V frequency and input port of current input timing.
Reset		Yes	N/A	Clear each old status of Auto-configuration and set the color temperature to Warm.
		No	N/A	Do not execute reset, return to main menu.
Exit		N/A	N/A	Exit OSD

# Other Information

## Specifications

LCD Panel	Driving system	TFT Color LCD
	Size	43.2cm(17.0")
	Pixel pitch	0.264mm( H )x 0.264mm( V )
Input	Video	R,G,B Analog Interface
	Separate Sync.	H/V TTL
	H-Frequency	30kHz – 80kHz
	V-Frequency	55-75Hz
Display Colors		16.2M Colors
Dot Clock		135MHz
Max. Resolution		1280 x 1024
Plug & Play		VESA DDC2B™
EPA ENERGY STAR®	ON Mode	≤37W
	OFF Mode	≤1W
Audio output		Rated Power 1.0W rms (Per channel)
Input Connector		D-Sub 15pin
Input Video Signal		Analog:0.7Vp-p(standard),  75 OHM, Positive
Maximum Screen Size		Horizontal : 373.9mm  Vertical : 270.3mm
Power Source		100~240VAC,50~60Hz
Environmental		Operating Temp: 5° to 35°C
Considerations		Storage Temp.: -20° to 60°C  Operating Humidity: 10% to 85%
Weight (N. W.)		4.5kg Unit (net)
Dimensions		373.2(W)×380.5(H)×160(D)mm

# Troubleshooting

## No power

- Make sure power button (or switch) is ON.
- Make sure A/C power cord is securely connected to the LCD display.
- Plug another electrical device (like a radio) into the power outlet to verify that the outlet is supplying proper voltage.

## Power is ON but no screen image

- Make sure the video cable supplied with the LCD display is tightly secured to the video output port on the back of the computer. If the other end of the video cable is not attached permanently to the LCD display, tightly secure it to the LCD display.
- Adjust brightness and contrast.
- If you are using an Macintosh older than G3, you need a Macintosh adapter.

## Wrong or abnormal colors

- If any colors (red, green, or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause an improper connection.
- Connect the LCD display to another computer.
- If you have an older graphics card, contact ViewSonic® for a non-DDC adapter.

## Control buttons do not work

- Press only one button at a time.

# Customer Support

For technical support or product service, see the table below or contact your reseller.

**NOTE:** You will need the product serial number.

Country/Region	Website	T = Telephone F = FAX	Email
United States	<a href="http://www.viewsonic.com/support">www.viewsonic.com/support</a>	T= 800 688 6688 F= 909 468 1202	<a href="mailto:service.us@viewsonic.com">service.us@viewsonic.com</a>
Canada	<a href="http://www.viewsonic.com/support">www.viewsonic.com/support</a>	T= 866 463 4775	<a href="mailto:service.ca@viewsonic.com">service.ca@viewsonic.com</a>
United Kingdom	<a href="http://www.viewsoniceurope.com/uk">www.viewsoniceurope.com/uk</a>	T= 0207 949 0307	
Europe, Middle East, Baltic countries, and North Africa	<a href="http://www.viewsoniceurope.com">www.viewsoniceurope.com</a>	(Contact your reseller)	
Australia and New Zealand	<a href="http://www.viewsonic.com.au/support/">www.viewsonic.com.au/support/</a>	AUS= 1800 880 818 NZ= 0800 008 822	<a href="mailto:service@au.viewsonic.com">service@au.viewsonic.com</a>
Singapore/Malaysia/Thailand	<a href="http://www.viewsonic.com.sg/support/">www.viewsonic.com.sg/support/</a>	T= 65 67746667 65 64616044	<a href="mailto:service@sg.viewsonic.com">service@sg.viewsonic.com</a>
South Africa and other countries	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T= 886 2 2246 3456 F= 886 2 2249 1751	<a href="mailto:service@sd.viewsonic.com">service@sd.viewsonic.com</a>
India	<a href="http://www.in.viewsonic.com">www.in.viewsonic.com</a>	T= 91 44 52006500	<a href="mailto:service@IN.viewsonic.com">service@IN.viewsonic.com</a>
Hong Kong	<a href="http://www.hk.viewsonic.com/support/">www.hk.viewsonic.com/support/</a>	T= 852 3102 2900	<a href="mailto:service@hk.viewsonic.com">service@hk.viewsonic.com</a>
Macau	<a href="http://www.hk.viewsonic.com/support/">www.hk.viewsonic.com/support/</a>	T= 853 700 303	<a href="mailto:service@hk.viewsonic.com">service@hk.viewsonic.com</a>
Korean	<a href="http://www.viewsonic.com">www.viewsonic.com</a>	T= 080 333 2131	<a href="mailto:service@kr.viewsonic.com">service@kr.viewsonic.com</a>

## Cleaning the LCD Display

- MAKE SURE THE LCD DISPLAY IS TURNED OFF.
- NEVER SPRAY OR POUR ANY LIQUID DIRECTLY ONTO THE SCREEN OR CASE.

### To clean the screen:

1. Wipe the screen with a clean, soft, lint-free cloth. This removes dust and other particles.
2. If the screen still not clean, apply a small amount of non-ammonia, non-alcohol based glass cleaner onto a clean, soft, lint-free cloth, and wipe the screen.

### To clean the case:

1. Use a soft, dry cloth.
2. If the case still not clean, apply a small amount of a non-ammonia, non-alcohol based, mild non-abrasive detergent onto a clean, soft, lint-free cloth, then wipe the surface.

### Disclaimer

- ViewSonic® does not recommend the use of any ammonia or alcohol-based cleaners on the LCD display screen or case. Some chemical cleaners have been reported to damage the screen and/or case of the LCD display.
- ViewSonic will not be liable for damage resulting from use of any ammonia or alcohol-based cleaners.

# Limited Warranty

## VIEWSONIC® LCD DISPLAY

**What the warranty covers:**

ViewSonic warrants its products to be free from defects in material and workmanship during the warranty period. If a product proves to be defective in material or workmanship during the warranty period, ViewSonic will, at its sole option, repair or replace the product with a like product. Replacement product or parts may include remanufactured or refurbished parts or components.

**How long the warranty is effective:**

ViewSonic LCD displays are warranted for one (1) years for all parts including the light source and one (1) years for all labor from the date of the first consumer purchase.

**Who the warranty protects:**

This warranty is valid only for the first consumer purchaser.

**What the warranty does not cover:**

1. Any product on which the serial number has been defaced, modified or removed.
2. Damage, deterioration or malfunction resulting from:
  - a. Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
  - b. Repair or attempted repair by anyone not authorized by ViewSonic.
  - c. Any damage of the product due to shipment.
  - d. Removal or installation of the product.
  - e. Causes external to the product, such as electrical power fluctuations or failure.
  - f. Use of supplies or parts not meeting ViewSonic's specifications.
  - g. Normal wear and tear.
  - h. Any other cause which does not relate to a product defect.
3. Any product exhibiting a condition commonly known as "image burn-in" which results when a static image is displayed on the product for an extended period of time.
4. Removal, installation, and set-up service charges.

**How to get service:**

1. For information about receiving service under warranty, contact ViewSonic Customer Support. You will need to provide your product's serial number.
2. To obtain service under warranty, you will be required to provide (a) the original dated sales slip, (b) your name, (c) your address, (d) a description of the problem, and (e) the serial number of the product.
3. Take or ship the product freight prepaid in the original container to an authorized ViewSonic service center or ViewSonic.
4. For additional information or the name of the nearest ViewSonic service center, contact ViewSonic.

**Limitation of implied warranties:**

There are no warranties, express or implied, which extend beyond the description contained herein including the implied warranty of merchantability and fitness for a particular purpose.

**Exclusion of damages:**

ViewSonic's liability is limited to the cost of repair or replacement of the product. ViewSonic shall not be liable for:

1. Damage to other property caused by any defects in the product, damages based upon inconvenience, loss of use of the product, loss of time, loss of profits, loss of business opportunity, loss of goodwill, interference with business relationships, or other commercial loss, even if advised of the possibility of such damages.
2. Any other damages, whether incidental, consequential or otherwise.
3. Any claim against the customer by any other party.

**Effect of state law:**

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on implied warranties and/or do not allow the exclusion of incidental or consequential damages, so the above limitations and exclusions may not apply to you.

**Sales outside the U.S.A. and Canada:**

For warranty information and service on ViewSonic products sold outside of the U.S.A. and Canada, contact ViewSonic or your local ViewSonic dealer.



